

# FOLIO

## Drama Lab '84: Future Bergmans in Training

Since early June, 13 writers and directors from the three prairie provinces have been on campus honing their skills in writing, directing and editing half-hour dramatic screenplays at the first Drama Lab '84, a three-month workshop administered by the Department of Drama and the National Film Board (NFB).

The idea for the Lab had been in the minds of several people, including Drama Chairman Carl Hare, for some time. It grew out of the annual "Media Month" held each summer for the past nine years. This particular program was designed for fourth-year drama students who wanted firsthand knowledge of film and exposure to "lights, camera, action." It was so successful that organizers felt that a somewhat similar albeit more comprehensive program was needed for writers and directors. So it was that Drama Lab '84 "took to the boards" last February.

Several bodies, including the Federal Department of Communications and Summer Canada Works, the Canada Council and CBC Ottawa, recognized the need for a workshop of this magnitude, and lost little time putting up money. Invitations were then sent to writers and directors, recommended by various groups in the prairie provinces, who were deemed suitable "students."

The instructors come from a variety of film and drama areas: Carl Hare, Drama; Kim Yaroshevskaya, Dramaturge Quebec; Vladimir Valenta, Dramaturge Edmonton; John Wright, independent film and television director in B.C.; Peter Harcourt, Professor, Film Studies, Carleton University; and Anne Wheeler, a local independent film director.

The objective of the Lab is to not only prepare writers and directors to produce dramatic screenplays but also

to show them how to merge the dramatic resources of the stageperson with the cinematic resources of the documentary filmmaker. According to Dale Phillips, Drama Lab Producer, the program is also intended "to create producable screenplays that are true to the West but independent and fresh in terms of style and taste." Mr. Phillips emphasizes that another major thrust is to "connect the graduate writers and directors and their screenplays to film and television producers in both the private and public sectors." One student has already signed a contract and the possibility of the others receiving offers is very good.

All of the students received funding to participate in the Lab from Alberta Culture and the Education Committee of the Alberta Motion Pictures Industries Association (AMPIA). Of the 13

students, nine are from Alberta, two are from Saskatchewan, and two are from Manitoba. There are six directors and seven writers.

The Lab consists of three phases: structured classroom work where students develop a 30-minute dramatic screenplay (June); laboratory work in which students produce their screenplays on videotape (July); and analysis and editing (August).

From 23 to 25 August, four distinguished Canadian filmmakers (John Doyle of Newfoundland, Jean Pierre Lafebvre of Quebec, Patricia Gruben of Vancouver and Seth Feldman of Toronto) will evaluate the lab and the students and their work. These four individuals were invited, says Mr. Phillips, because each represents a different part of the country and approach to film.

One of the screenplays which was brought to the Lab as a prospective drama screenplay was adapted as the stage play "Dymphna" and is being produced at the Fringe Festival. It can be seen 18 to 20 August at noon at the Walterdale Theatre.

Organizers of Drama Lab '84 are optimistic that a Drama Lab '85, '86, etc. will be held and that the Lab held this summer will become the pilot project for a nation-wide set of workshops in subsequent years.

The Lab, conducted in the Drama Department, was supported by a number of agencies and organizations, including the Departments of Drama and Radio and Television, NAIT Radio and Television, the provincial Department of Education (media division), and ACTRA. □

## NSERC Awards Top \$30 Million Mark

The Natural Sciences and Engineering Research Council recently announced that university researchers have been awarded \$32.8 million for the acquisition of new equipment. The grants, which will be used to purchase a great variety of the most advanced scientific and engineering tools available, range in size from a \$2 million commitment to researchers at the University of Montreal for the funding of a national facility for gamma-ray spectroscopy to a \$7,000 award to a University of Guelph zoologist for the purchase of an ultra-cold freezer for tissue storage.

In announcing the awards, Gordon MacNabb, President of NSERC, said that money spent on scientific equip-

ment is an important investment for Canada's future. "A challenging university research environment is essential to keep our brightest young research talent in the country. Only by keeping our labs up to date can we remain competitive in fast-evolving technologies."

The replacement of obsolete equipment in universities has been a major thrust of NSERC's goal to improve the state of science and engineering research in Canada. Over the past five years, the federal agency has directed more than \$160 million toward this purpose.

NSERC equipment grants are awarded through a Canada-wide competition. The final selections are made by Council on the basis of rec-

ommendations from peer review committees. For the 1984 competition, NSERC received more than 1,400 applications, of which just over one-third were funded.

A list of the grant recipients at our University follows.

**H. Baadsgaard** (Geology): Fully automatic high precision mass spectrometer, \$332,670.

**G.E. Ball** (Entomology): Truck with living unit attached, \$22,550.

**D.D. Cass** (Botany): Ultracut "E" ultramicrotome and cryoultramicrotomy accessories, \$25,463.

**D.L.J. Clive** (Chemistry) (with **J.C. Vederas**): Capillary gas chromatograph, \$23,032.

**R.J. Crawford** (Chemistry) (with **W.A. Ayer, D.L.J. Clive, W.A.G.**

*Graham, O. Hindsgaul, G. Kotovych, H.J. Liu, J.W. Lown, R.E. McClung, M.J. Robins, J.C. Vederas*): 300 MHz NMR spectrometer, \$197,500.

*D.M. Divan* (Electrical Engineering) (with K.E. Bollinger): Test facility for power electronics, \$26,500.

*R.F. Egerton* (Physics) (with S.E. Wanke, S.K. Malhotra): High-resolution electron energy-loss spectrometer, \$56,247.

*J.P. Franck* (Physics): Diamond anvil high pressure cell installation, \$44,315.

*W.A.G. Graham* (Chemistry): Gas chromatograph, \$18,287.

*L.G. Greeniaus* (Physics) (with R. Abegg, J.M. Cameron, W.K. Dawson, D.A. Hutchison, P. Kitching, W.J. McDonald, C.A. Miller, G.A. Moss, G.C. Neilson, W.C. Olsen, G. Roy, D.M. Sheppard, H.S. Sherif, G.M. Stinson): Computer peripherals, \$23,000.

*P.M. Huck* (Civil Engineering) (with D.W. Smith): Total organic halide (TOX) analyzer, \$24,675.

*D.T. Lynch* (Chemical Engineering): Catalytic reactor for high pressure and high temperature operation, \$17,075.

*W.C. Mackay* (Zoology) (with E.E. Prepas): Midwater trawling system with quantitative echo sounder, \$14,770.

*T.A. Marsland* (Computer Science): Experiments with multi-processor systems, \$55,560.

*N. Pajaratnam* (Civil Engineering) (with A.W. Peterson): Fibre optic LDA upgrade system, \$32,875.

*C.M. Scarfe* (Geology): Viscometer for high-temperature silicate melt studies, \$20,000.

*H.J.J. Sequin* (Electrical Engineering) (with R.P.W. Lawson, C.E. Capjack): Scanning and recording mass-spectrometer, \$63,219.

*P.R. Smy* (Electrical Engineering): Motion analysis system, \$124,138.

*S. Teply* (Civil Engineering): Detailed traffic surveys, \$32,732.

*J.R. Thompson* (Animal Science) (with L.P. Milligan, R.J. Christopherson, B.A. Young): Liquid scintillation counting system, \$53,310.

*J. Tulip* (Electrical Engineering): Laser processing equipment, \$25,030.

*S. Zalik* (Plant Science): Low temperature freezer, \$10,400. □

## The Kenyan Agreement

The Government of Kenya and the University of Alberta recently signed an agreement which provides for the training of Kenyan civil servants on campus. Money for the five-year program was given by CIDA to the Kenya High Commission in Ottawa.

The procedure of allocating funds to the High Commission was introduced last year by CIDA and the Kenyans sent four students to the University. Under the Agreement, students are selected by the Kenyan Department of Personnel Management and attend the University for an entire undergraduate, graduate or diploma program.

According to Wilf Allan, International Student Advisor in the Office of Student Services, the majority of the Kenyan students will study agriculture because of the rural economy of their country. Many will return to teach in their homeland. He points out that most of the students arrive here with undergraduate degrees and pursue advanced study in the area of their expertise.

The University will welcome nine or 10 students this fall. Although the Kenya High Commission can choose to send students to a number of Canadian universities, our University appears to be attracting more than the per capita share. This, says Mr. Allan, is because of the quality of education provided and the fact that the first four students "spread the word" about the support and encouragement they received. □

## Stadium Car Park Closed Indefinitely

Let's hope there won't be any knot at Windsor Car Park. With the 1 August closure of Stadium Car Park for repairs, all permit holders for that facility are having their permits honored at the Windsor parkade. (Stadium contains 1,000 stalls and there about 700 permit holders.)

Structural analysis had been taking place in Stadium for the past several weeks. The findings—the reinforcing cables in the support structures are rusted through—were about as welcome as a blow to the solar plexus. The parkade will remain closed for an indefinite period. Jim Carroll, Manager of Parking Services, noted in a

memo to Stadium permit holders. "As 1984-85 staff permits have already been issued for all zones, parking space available in zones other than Windsor Car Park is extremely limited." Mr. Carroll is trying to reassign people to Zone W and the Education Car Park on an individual basis.

"It's fortunate that it's happening at this time of year but it's going to be a real problem come September," he told *Folio*.

Stadium Car Park was built in 1969. This is the first time that it has been necessary to close it for an extended period. The repair bill is expected to exceed \$1 million. □

## Richard Eaton Singers Schedule Auditions

Another ambitious season lies ahead for the Richard Eaton Singers and you could be part of it. Auditions for new members will be held 25 (10 a.m. to 4 p.m.), 26 (1 to 5 p.m.) and 27 (7 to 10 p.m.) August in 1-29 Fine Arts Building. For further information, or to schedule an audition time, call Elizabeth Pinches, Membership Secretary, at 464-4620.

Works to be performed in 1984-85 are Handel's "Messiah," Purcell's "Te Deum" and "Jubilate," Mozart's "Mass in C Minor," and Mahler's "Resurrection Symphony" (#2).

Rehearsals will be held Tuesdays, 7:30 to 10 p.m. □

## MAI Building a Rudder for Entrepreneur(ship)

A new venture of the Management Advisory Institute concerns student input into the preparation of business plans for entrepreneurs and inventors. The program is funded by the Faculty of Business and Alberta Economic Development which is interested in smoothing inventors' flight from ideas to implementation.

According to W.A. Presing, Executive Director of the Institute, projects of this nature will take place during the school year as either an integral part of the courses or as indi-

vidual projects at both the graduate and undergraduate level. Projects are conducted by students under the general supervision of academic staff. In particular, the program should be beneficial to inventors in northern Alberta, says Dr. Presing.

Individuals or groups interested in obtaining student involvement are asked to contact the Management Advisory Institute, 2-30A Faculty of Business Building, telephone 432-2225. □

## Vacancy on GFC

Nominations are sought for one member of the non-academic staff to serve on General Faculties Council from September 1984 to 30 June 1987. Written nominations may be submitted to Ellen Solomon, Secretary to GFC, 2-1 University Hall. Deadline for receipt of nominations is 30 August 1984. □

# FOLIO

Volume Twenty-one  
Number Three

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The Office of Community Relations produces Folio on a regular basis for the staff and other interested persons. Folio contents may be reprinted with acknowledgment.

ISSN 0015-5764

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## Soil Scientist Honored by National Body

Jim Robertson, Professor of Soil Science, has been named a Fellow of the Canadian Society of Soil Science. The granting of a fellowship is the highest honor which the CSSS confers upon its members. Recipients are selected for professional distinction worthy of national recognition in any field of soil science. Dr. Robertson will step into the spotlight at the Society's annual meeting in Banff on 28 August.

Jim Robertson grew up on a farm

near Basswood, Manitoba, and obtained his BSA and MSc from the University of Manitoba. He joined the Department of Soil Science, University of Alberta, on completion of his MSc degree in 1955. In 1960 he attended Purdue University and received his PhD in Agronomy in 1963. He returned to the University of Alberta where he became a Professor in 1971.

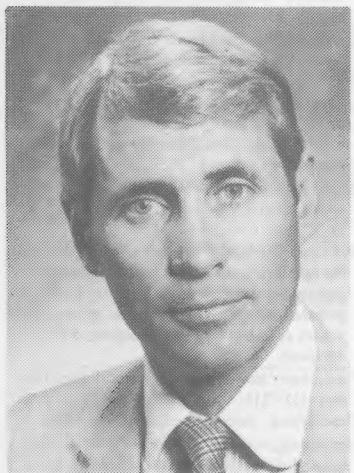
Dr. Robertson has made an outstanding contribution to the teaching program at our University. Through his teaching of the Introductory Course in Soil Science as well as other courses, he has had contact with more than 2,500 students. His teaching ability was recognized when he was awarded the Faculty Teaching Award for 1981 based on student votes.

In addition to his undergraduate

teaching responsibilities, he has been active in graduate training, in extension, and in research. He has published 14 papers in scientific journals as well as many bulletins and extension publications.

Dr. Robertson is a charter member of the Canadian Society of Soil Science and has served the Society in several capacities, including secretary-treasurer and president. □

## Robison Appointed Administrative Director to the Board of Governors



Paul Robison

On 3 August President Horowitz and John Schlosser, Chairman of the Board of Governors, announced the appointment of Paul A. Robison as Administrative Director to the Board of Governors.

Mr. Robison had held the position of Executive Assistant to the Dean of Arts since 1972. Last year he was seconded to the World University Games as Housing and Food Services' Chief Liaison Officer.

Reporting to the Board through the Chairman and the President, he will be responsible for carrying out the day-to-day activities of the Board.

Mr. Robison succeeds Brian Silzer who took up the position of University Registrar on 1 July. □

## Forestry Graduate Wins Wajax Award

The glad hand is being extended to Reid Schmidt, BSc Forestry, 1984, for winning the Wajax Limited Technical Report Award and a cheque for \$1,000.

Mr. Schmidt's report, entitled "Crown Fire Hazard Reduction Through Management of Lodgepole Pine Stands," was selected by an independent panel of judges as the best of those submitted by university forestry students across Canada.

The report discusses the proposed use of pruning and thinning to reduce the probability of vertical spread of forest fires.

Both pruning and thinning are accepted silviculture practices. Adding the objective of fire hazard reduction increases the value of pruning and thinning as a management tool as well as protecting the management investment in the forest. □



With the rain, the ants and the mosquitoes on leave and Dr. Feelgood making a Housing and Food Services call, the 5th annual Picnic in the Quad brightened 2 August for some 800 people.

## Colorpsychodynamics: the Pioneering Research of Harry Wohlfarth

There are those who would shout "poppycock" at the suggestion that the color of a classroom could effect a blind student. Not so, Harry Wohlfarth. Indeed, it is Professor Wohlfarth's view that the color of the environment has a far more profound influence than most people realize.

His is not a view to be taken lightly. A Professor of Visual Arts, Faculty of Extension, Professor Wohlfarth is known around the world for his pioneering research in the field of colorpsychodynamics. It is a new field. Until the early '50s theories regarding the effect of color upon people were largely based on "speculation, introspection and often just wild guess-work." Only when Swiss psychologist Max Luescher first used phenomenological reasoning and concepts did the psychology of color find a sound and systematic footing.

Professor Wohlfarth was not far behind. In 1955 he set out to "either prove or disprove" the theory that color has a measurable and predictable effect upon people by using the autonomic nervous system (blood pressure, pulse, respiration rate) as a reaction indicator in his empiric research. His results are internationally acknowledged as having laid the foundation for the modern science of colorpsychodynamics.

Simply put, Professor Wohlfarth's research has shown that it is possible to improve mental performance, scholastic performance and physiological reaction by carefully selecting the colors to be used in certain environments. While there are some fundamentals involved (red, orange and yellow tend to increase reactions of the nervous system; green, blue and black cause a decrease), Professor Wohlfarth shies away from talking in specifics. "My work is like that of a pharmacist," he submits. "One has to be very careful of the dosage." Where colorpsychodynamics is concerned, an error in dosage might mean the difference between peacock and ocean blue, lemon and primrose yellow, geranium and flag red.

Over the years, Professor Wohlfarth has put theory into practice many times. He has color-designed a dental clinic, several juvenile correctional in-

stitution complexes, and a private school for dependent handicapped children. In each case, the results have been worth the effort. When a room in Elves Memorial Child Development Centre was repainted to fit a prescribed and carefully coordinated color scheme, the children's aggressive behavior decreased and diastolic blood pressure went down. Perhaps the most unexpected result indicated that the blind children involved in the project exhibited the same physiological reactions as the non-visually handicapped children.

Not so startling, says Professor Wohlfarth, who cites the innovative work done by A.S. Novomeysky of the U.S.S.R. According to the Soviet scientist, a hypothesis of physics holds that every visible color seems to have an invisible double in a distant infrared field. These invisible radiations are perceived by dermo-optic receivers which cause a variety of sensations effecting not only biological processes but mental and motor activity as well. Professor Wohlfarth holds that the relationship between wave-length and color explain the "blind student phenomenon."

Professor Wohlfarth's most recent foray into colorpsychodynamic coordination has led him to the Alberta town of Wetaskiwin. In a major study sponsored by Alberta Education, Professor Wohlfarth has taken a close and controlled look at the effects of color and light on the development of elementary school students.

Four schools were involved in the year-long study: Centennial, the control school with standard lighting and paint job; Norwood, with both lighting and color coordinated psychodynamically; Parkdale, with changes to lighting only; and C.B. McCurdo, with changes to color only. For one year, the 700 students attending the four schools underwent an extensive series of tests: IQ, academic performance, blood pressure, noise, illness, mood, and aggression.

Again the results support his belief in the influential power of color. Not surprisingly, students at the two color schools (Norwood and McCurdo) "changed" the most. Less disruptive, more academically productive, absent

less often, these students clearly benefited from Harry Wohlfarth's expertise. In fact, he maintains that statistically significant improvements in IQ were also recorded during the study.

"There are far-reaching implications to the work that we are doing," says Professor Wohlfarth. "If

our preliminary findings are borne out we may well have found a very low cost tool that can have a tremendously positive influence on children's learning." \*□

\*  
*Reprinted from Research Reporter July/August 1984.*

## Summer Institute on Quantitative Analysis Unique to North America

The fourth annual Summer Institute on Quantitative Analysis was held on campus 11 to 22 June. Conducted by the Population Research Laboratory in the Department of Sociology, it is the only program of its kind in North America.

The two-week intensive course is aimed at developing and upgrading quantitative analysis and statistical computing skills for anyone working with social research and data collection. This year's group included staff and faculty members of the health sciences, graduate students, and business people. Participants came from as far away as Montreal and Ottawa.

The course consisted of two parts: an introduction to fundamental quantitative techniques and developments in data analysis, and a training session in statistical computing applications. Computing instruction was given at both introductory and advanced levels.

Each day's program contained a statistics lecture and a computing lab. Among the instructors were William R. Averson, University of Western Ontario, who taught "An Introduction to Social Statistics;" Paul Eskildsen of San Francisco State University who taught "General Linear Model - Applications;" and Mike Gillespie, Chuck Humphrey and Layne Marshal of the University of Alberta. Dr. Gillespie, an Associate Professor of Sociology, conducted two workshops on data analysis; Chuck Humphrey and Layne Marshal, both of Computing Services, taught the computing component.

The Institute will continue to be held each summer, making it possible for participants to complete the course over a period of two years. The fee for this year's Institute was \$650, and included tuition, course material and computing time. Costs for lodging and meals were separate.

Interested persons can enquire about the Institute by corresponding with Ilze Hobin, Administrative Assistant, Population Research Laboratory, Department of Sociology, the University of Alberta, Edmonton, Alberta T6G 2H4. □

# people

H. Brian Dunford (Chemistry) has been appointed Coordinator and Consultant to the Vice-President (Research). He will represent and advise the Vice-President regarding all matters involving the Biosafety and Radiation Safety officers, their staff and the committees involved in these activities, as well as personnel and committees concerned with all aspects of animal services. Problems in the natural sciences and engineering will also be considered by Dr. Dunford.

D.C. Johnson (History) gave a lecture entitled "The Growth of

Bucaramanga at the End of the Nineteenth Century: Commerce and Land," in Bucaramanga, Colombia, 13 June.

At the Conference on Ukrainian Culture held at the University of Illinois, 24 to 28 June, *Andrij Hornjatkevyc* (Slavic and East European Studies/Canadian Institute of Ukrainian Studies) presented a paper on "Byliny' and 'Dumy'", *Bohdan Medwidsky* (Slavic and East European Studies) presented a paper on "The Ukrainian 'Duma' as a Folklore Genre" and *Peter Rolland* (Slavic and East European Studies) presented a paper on "Compositional Principles of 'Dumy'."

At the 1 August banquet which concluded the 39th annual meeting of the Soil Conservation Society of America, *C.F. Bentley* (Professor Emeritus of Soil Science) and nine other persons received the Society's 1984 Honor Award. Dr. Bentley was recognized for his international contributions in agricultural education, research and extension. His research has concentrated on maintenance of agricultural productivity and the expansion of food production in developing countries. While a professor, his major research activities were tied to soil fertility, the effects of crop rotations and fertilizers on yields, the nutritive values of crops, and the effect of sulphur dioxide on crops and soils.

## Service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication

## Coming Events

### Lectures and Seminars

#### Immunology

22 August, noon. Linda L. Pritchard, Institute of Immunogenetique des Allogreffes, INSERM-ICIG, Vellejuif Cedex, France, "Immunology of Allogeneic Bone Marrow Transplantation" Dr. Pritchard, whose research interests are in trans-

plantation immunology, is being sponsored by the Alberta Heritage Foundation for Medical Research, 8-66 Medical Sciences Building.

### Matters of Faith

#### St. Joseph's College

Mass conducted daily at 7:30 a.m. and 12:30 p.m., Saturday at 12:30 and 4:30 p.m., Sunday at 9:30 and 11 a.m.

### Exhibitions

#### Ring House Gallery

Until 12 August. "Scott Goudie: India Series." This exhibition of 17 drawings and paintings by Newfoundland artist Scott Goudie is from a series of work he did in 1981 while travelling throughout India.

#### Bruce Peel Special Collections Library

Until 21 September. "Rare Illustrated Books." Includes books from four centuries on such varied subjects as: Utah and Oregon Territory, flying squirrels, locusts, Italian poetry, and modern bookworks, plus the first glimpse of the Curwen Press Collection, a recent major acquisition. B-7 Rutherford South.

### Non-Credit Courses

#### Computing Services

##### Introduction to the Personal Editor on the IBM PC

Date: 21, 22, 23 August. Time: 10 a.m. to noon. Prerequisite: The Introduction to the IBM PC course or complete proficiency with the PC is required. Place: 564 GSB.

##### Introduction to Tell-A-Graf

Date: 28, 30 August. Time: 1 to 4 p.m. Prerequisite: "MTS and Editor Fundamentals" or a good knowledge of MTS and Editor commands. Place: 511/351 GSB.

#### Faculty of Extension

##### Liberal Studies

General interest brochure is now available by calling 432-3033. Some of the course offerings are as follows:

Joy of Opera I & II

Communicating with the Elderly Workshop

What to Listen for in Music

Wine Appreciation

Wine Appreciation (Advanced)

#### Devonian Botanic Garden

For further information on the courses listed below, call 987-3054.

Meadows and Mushrooms of the Tonquin Valley

A Herbaceous Plants Walk

Wilderness Family Camp-Out at the DBG

Landscaping Using Textures

Nature Printing—A Family Affair

### Surplus Equipment

The equipment appearing in this column is available only to University Departments with University Administered Funds. For further information about the purchase of equipment or the disposal of any of your department's surplus equipment, contact Roslyn Hanchard or Roy Bennett, telephone 432-3208.

For Sale: 1 Racal Vadic 3413 (Acoustic Coupler). For more information, telephone Anita Moore, 432-4999.

For Sale: 2 Touch Fan Files (300 fiche). For more information, telephone Elsie, 432-2048.

Librarian, University of Alberta, Edmonton, Alberta T6G 2J8.

Positions are subject to availability of funds

### Assistant Education Librarian

The University of Alberta Library invites applications for the position of Assistant Education Librarian in the Herbert T. Coutts (Education) Library. Major duties include reference assistance, library instruction, and collection development. Experience in reference assistance and computer searching would be an asset. Qualifications required include a degree in Library Sciences and a background in education or related discipline.

The incumbent will report to the Education Librarian and will be appointed at the Librarian I level with a salary range of \$24,116 to \$30,654. Desired date of appointment is 1 October 1984.

Applicants should send curriculum vitae, transcripts of academic record, and the names of three references to Peter Freeman, Chief Librarian, University of Alberta, Edmonton, Alberta T6G 2J8. Closing date is 24 August 1984.

### Science Cataloguer

The University of Alberta Library invites applications for the position of Science Cataloguer. Qualifications required include a degree in Library Science and a science subject background. Previous cataloguing experience with AACR II and LC classification and knowledge of one or more foreign languages, specifically German and/or Russian, would be highly desirable.

The incumbent will report to the Science Cataloguing Unit Head and will be appointed at the Librarian I level with a salary range of \$24,116 to \$30,654. Desired date of appointment is 24 September 1984.

Applicants should send curriculum vitae, transcripts of academic record, and the names of three references to Peter Freeman, Chief Librarian, University of Alberta, Edmonton, Alberta T6G 2J8. Closing date is 24 August 1984.

### Sessional Lab Coordinator

The Department of Soil Science invites applications for the position of Laboratory Coordinator for its undergraduate teaching labs.

Duties include responsibility for organization and conduct of the undergraduate labs and will involve marking and grading of lecture and laboratory assignments. The position will be full-time from September through April and requires someone with a Soil Science degree. Salary will be commensurate with qualifications and experience.

Applications, including a curriculum vita and the names of three referees, should be submitted to M. Yohemas, Administrative Officer, Department of Soil Science, 438 Earth Sciences Building, University of Alberta, Edmonton, Alberta T6G 2E3.

### Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 2 August 1984. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Typist II (Recurring Term) (\$1,161-\$1,390)  
Zoology

Clerk Typist II (Trust/Recurring Term) (\$1,161-\$1,390) Civil Engineering  
 Clerk Typist II (\$1,161-\$1,390) Political Science  
 Data Entry Operator I (\$1,244-\$1,497) Printing Services  
 Admissions Records Clerk (\$1,294-\$1,561) Registrar's Office  
 Clerk Typist III (Part Time/Trust) (\$518-\$624) Microbiology  
 Clerk Typist III (\$1,294-\$1,561) Administrative Services  
 Clerk Typist II/III (Trust) (\$1,161-\$1,561) Home Economics  
 Clerk Typist III (\$1,294-\$1,561) Physical Therapy  
 Clerk Typist III (\$1,294-\$1,561) Political Science  
 Clerk Steno III (Term) (\$1,294-\$1,561) Athletic Services  
 Clerk Steno III (\$1,294-\$1,561) Business  
 Clerk Steno III (Trust) (\$1,294-\$1,561) Centre for Frontier Engineering Research  
 Clerk Steno III (\$1,294-\$1,561) Extension  
 Clerk Steno III (\$1,294-\$1,561) Law  
 Clerk Steno III (\$1,294-\$1,561) Mineral Engineering  
 Secretary (\$1,442-\$1,766) Administrative Services  
 Secretary (Term) (\$1,442-\$1,766) Business  
 Secretary (Term) (\$1,442-\$1,766) Faculty of Graduate Studies  
 Systems Control Clerk II (\$1,442-\$1,766) Technical Services  
 Administrative Clerk (\$1,442-\$1,766) Housing and Food Services  
 Senior Systems Control Clerk (\$1,625-\$2,003) Printing Services  
 Departmental/Executive Secretary (Trust) (\$1,625-\$2,003) Perinatal Committee  
 Admissions Records Coordinator (\$1,625-\$2,003) Registrar's Office  
 Information Coordinator (Part-Time) (\$1,140-\$1,417) Dean of Science  
 Laboratory Assistant III (Recurring Term) (\$1,294-\$1,561) Zoology  
 Building Services Worker III (\$1,442-\$1,766) Physical Plant  
 Technician I (Trust) (\$1,497-\$1,842) Medicine  
 Building Services Worker IV (\$1,561-\$1,920) Physical Plant  
 Technician II/Technologist I (Trust) (\$1,697-\$2,092) Biochemistry  
 Biochemistry Technologist I (Trust/Term) (\$1,697-\$2,092) Cancer Research Group  
 Editorial Assistant (Part-Time) (\$888-\$1,091) Medicine  
 Electronics Technician (\$1,766-\$2,182) Physical Education and Sports Studies  
 Biochemistry Technologist II (Trust) (\$1,920-\$2,378) Genetics  
 Electronics Technician IV (\$2,280-\$2,834) Computing Science  
 Fire Marshall (\$2,280-\$2,834) Physical Plant  
*For vacant library positions, please contact the Library Personnel Office, Basement, Cameron Library. Telephone 432-3339.*

## Advertisements

*Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.*

### Accommodations available

Rent - 1 September 1984-31 January 1985, four bedrooms, North Glenora. \$650/month, negotiable. 452-0635.  
 For sale - By owner. \$6,000 down. Two-bedroom bungalow. Partially developed basement. New furnace. Reinsulated. Double garage. In immaculate condition. Walking distance to University. Call 462-6626.  
 For sale - Saskatchewan Drive. Spacious, split level in outstanding condition. Huge, professionally landscaped grounds with river valley view. Woodburning fireplace. Double, front, garage. Ed Lastiwka, 437-4987, 437-7480. A.E. LePage.  
 Sale - Windsor Park. Three bedrooms plus suite downstairs. Hardwood flooring, updated kitchen, private 150' lot, garage plus double parking behind. \$129,000. Liz Crockford, Spencer's, 436-5250, 434-0555.  
 Sale - Garneau. Super, remodelled, two-storey. New kitchen, fireplace, deck, hot tub. New windows, plumbing, wiring. Downstairs: fourth bedroom, three-piece and family room. Try \$129,000. Liz Crockford, Spencer's, 436-5250, 434-0555 res.  
 For sale - Grandview bungalow. Excellent condition. 1,585 sq. ft., professionally designed backyard. Liz Crockford, Spencer's, 436-5250, 434-0555.  
 Sale - \$66,500. Close to University. Two-storey, 10747 80 Ave. Liz Crockford, 436-5250 Spencer's.  
 Sale - Bright, modern, two-bedroom condo. 1 1/2 baths, six appliances. University. \$74,000. 432-0119.  
 To share - Luxurious, quiet townhouse. Female/male. Parking, bus. Bedroom furnished/unfurnished. \$300/month. Sherry, 436-2950.  
 Sale - Bungalow, Malmo. Well maintained and upgraded. Good University access. Sharon Campbell, Langley, 463-1000, 435-8344.  
 For rent - 10839 University Avenue. Furnished, one-bedroom apartment. \$400. Caretaker #16. 431-0229, 488-9151.  
 Rent - Beautifully furnished, two bedrooms, two baths, quiet, adult only condominium, heated parking, indoor pool, Riverbend, direct bus to University. Sept.-May, \$850 includes utilities. 434-6510.  
 For rent - St. Albert. Three-bedroom, furnished house. 1 September to 31 December. Phone 459-6102.  
 Rent - Old Strathcona. Architecturally unique, one-bedroom apartment. Skylights, carpeting throughout, walk to University. 1 Sept. \$500/month. 439-3472 anytime.  
 Sale - Beautiful Belgravian. Immaculate, well-built three-bedroom home. Large lot. Only \$79,500. Chris Tenove, 433-5664, 436-5250. Spencer's. Sale - \$74,000. Two-bedroom, attractive condo. Five appliances. University two blocks. Immediate possession. Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Sale - Windsor Park. Super quiet location. Huge, beautiful yard plus a bright, cheerful, four-bedroom, family home. Two garages. Must see. Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Sale - \$79,900. Best buy in Claridge House. Original show suite. Five appliances. All the luxuries: pool, sauna, etc. Underground parking, one block to University. Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Sale - \$39,500. Attractive, immaculate condo. Appliances included. Large, treed yard. Walk to University. Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Sale - Pleasant home in Pleasantview. 1,600 sq. ft. bungalow. Immaculate. Huge yard. Crescent location. Vendor will carry. Some financing. Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Sublet - Two-bedroom rowhouse available Sep-

ember to December 1984. Furnished, \$350/month. Utilities, laundry, parking included. Ideal for family. 436-0320.

Sale - Owner. Open house 11 and 12 August, 12 to 4 p.m. 11423 55 Ave. Lendrum area. \$84,000. Three bedrooms, fully developed basement, two fireplaces. Worth viewing. Phone 436-0876.  
 For sale - Riverbend. Mediterranean mansion. Five bedrooms, family room, den, four fireplaces, many extras. Resi Richter, 483-9432. A.E. LePage.

For sale - Near River valley, custom built, brick bungalow. Four bedrooms, family room, much more. Resi Richter, 483-9432. A.E. LePage.  
 For sale - Laurier Heights. French program school, split level, fully developed. \$135,500. Resi Richter, 483-9432.

For sale - Steal. \$48,900. Central, one-bedroom condo. Fireplace, underground parking, five appliances. Resi Richter, 483-9432. A.E. LePage.  
 For sale - Bungalow in Inglewood, developed basement, good mortgage. \$62,500 Resi Richter, 483-9432. A.E. LePage.

Rent - Windsor Park. Quiet, comfortable, three-bedroom bungalow. 1 1/2 baths, large kitchen, formal dining room, finished basement, five appliances, lovely garden, double garage. University two blocks. \$800. P.O. Box 4984, Edmonton T6E 5G8.

Rent - House, Blue Quill. Visiting, University family. Near E.T.S. Available 1 September, drapes, fridge, stove, four bedrooms, double garage, family room, fireplace, fenced yard. Damage deposit required. Phone 483-7860.

For sale - Belgravian, by owner. Three-bedroom split-level. Professionally designed kitchen. Phone 436-3098 after 12 August.

Rent - Newer one-bedroom suite in house. \$275. Call 488-8753, 421-8434.

### Accommodations wanted

University professor requires housekeeping room or equivalent, 1 September-31 December. Garage, parking desired. 432-3467 or 486-5399.

Sabbatical family from Montana wants to rent house, preferably near the University, starting 1 September 1984. Phone 432-2845 days, 433-5939 after 6 p.m.

Very responsible, professional couple wish to rent/lease an unfurnished or partially furnished house close to campus. Phone 432-3606, 439-6753.

### Automobiles and others

1977 Volkswagen Westfalia, excellent. 462-6175.

### Goods for sale

Two-piece, pine bedroom suite: Four poster bed with triple dresser. Includes box spring and mattress. Good condition. 434-4504 evenings.

Books bought and sold - The Edmonton Book Store Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

Paintings, other art: Gissing, Murray MacDonald, Glyde, Leighton, others. Japanese stencils, Chinese embroideries. 433-2932.

Moving, select furniture. Bedroom, kitchen suites, living room pieces, lamps, china, etc. 433-3357 evenings.

Edwardian chesterfield, offers; also contemporary seat. 435-6579.

### Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Singing teacher, Eileen Turner, 439-4661.

Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.

Word processing - \$18/hour. Typing - from \$1.50/page. Greek symbols and equations. 432-0138.

Academic staff. Supplemental healthcare reimburses treatment costs for backaches, stress tension at Back Basic Therapy. Maria Krieg, university-trained in Düsseldorf, offers: Heat, massages, chiromyotherapy, interferential electrotherapy. 436-8059. 11627 75 Ave.

Quaker worship, Sundays, 11 a.m. Soroptimist Room, YWCA. 100 Ave. 103 St.

Colour charm - Do you know your colours??

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Word Processing Service. Ideal for theses, manuscripts, essays. Most symbols available. \$1.50/page. Lynn, 465-7735.

Mill Creek Pre-School Education Society Daycare has openings for children 2 1/2. Kindergarten starting September. Program includes academic preparation, fine arts, music, ballet, gymnastics, French as second language. Phone 465-7285, 430-6880.

Piano, theory lessons. Western Board. Robert Garey, 433-7238.

Thesis typing - papers. Experienced. 488-7089.

Finishing carpentry and all types of renovations, decks. Work done by professional tradesmen. Free estimates. References. 432-7974.

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